

## ABSTRACT

### Water and Oil Repellent Masonry Treatments

5           The present invention provides a water-soluble and shelf-stable aqueous  
fluorochemical polymeric treatment useful to treat porous substrates to render them  
repellent to water- and oil-based stains. The treatment comprises a water-soluble or  
dispersible fluorochemical polymer containing only carbon atoms in the backbone,  
with a plurality of each of the following groups pendent from the backbone: (a)  
10 fluoroaliphatic groups, (b) carboxyl-containing groups, (c) silyl groups and optionally  
(d) other non-hydrophilic groups. Because the water-soluble polymeric treatment, and  
the shelf-stable aqueous solutions thereof, can be applied to porous substrates in  
aqueous solution, they eliminate the need for environmentally harmful and toxic co-  
solvents.

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